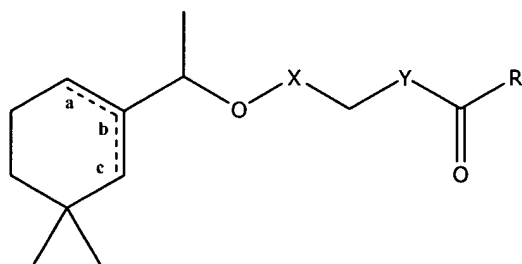


## Abstract

This invention relates to unsaturated alicyclic carbonyl compounds of formula (I)



(I)

wherein

R is C<sub>1</sub> to C<sub>4</sub> alkyl; or

R is vinyl or a linear, branched or cyclic C<sub>3</sub> to C<sub>4</sub> alkenyl;

X is carbonyl or a divalent radical  $-(CMe_2)-$ ; and

Y is oxygen or a divalent radical  $-(CH_2)-$ .